Name(s) of Risk Team Members: Edward Lessard and Michael Kretschmann			Point Value → Parameter ↓		1				2 3		4		5			
Area/Facility Description Title: Collider-Accelerator Department Area/Facility # (if applicable): Facility Wide – FRA 2-05			Occupancy or Use	<pre><pre></pre></pre>					<pre><once month<="" pre=""></once></pre>	e/month <pre></pre> <pre></pre> once/week		≤once/shift		≥once/shift		
Area/Facility Description: Facility-Wide Fire			Severity	Firs	st Aid Only		М	edical Treatment	Lost Time	Partial Disal		ty	Death or Permaner Disability			
Approved by: E. Lessard Date: 3/21/05 Rev.#: 0			- Likelihood I	Extremely Unlikely		ely		Unlikely Possible		Probable		Multiple				
Reason for Revision (i	if applicable):									Comments:						
		Before Additional Controls				nal		<u>'</u>			After Additional Controls			% Risk		
Physical Item or Activity	Hazard(s)	Control(s)				Likelihood C	Likelinood C	Risk* AxBxC	Control(s) Added to Reduce Risk				Severity B	Likelihood C	Risk* AxBxC	% RISK Reduction
Electrical Fire	Smoke And Heat	Fire detection & suppression systems; equipment protective systems; ASSRC/ESRC reviews; Fire Hazards Analysis; Fire stops; all equipment is listed or reviewed by CEE; Tier 1 inspections; maintenance; electrical & life safety code compliance; emergency procedures; EMTs & BNL fire rescue; removal of unused cable; ASE requirements; audible alarms; evacuation procedures and training; upgrading fire alarm panels			2 Sev	4	4	40	281A heat detectors l replace RF power sup Fire Hazards Analyse	nent of approximately 6,000 fau ab wide is on schedule. Institute oply capacitors after lifetime is re- es for accelerator facilities are be- ide fire alarm system allows mo	5	2	3	30	25 %	
Flammable Liquid Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; chemical segregation; volume controls; fire cabinets; MSDS; Tier 1 inspections; storage controls; ventilation; labeling; ignition source control			2	2	2	20								
Flammable/Explosive Gases Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; equipment protective systems; ASSRC/ESRC reviews; Fire Hazards Analysis; Tier 1 inspections; maintenance; emergency procedures; BNL Fire Rescue; ASE requirements; volume controls; segregation controls; labeling; area posting; gas detection interlock systems			5	1	1	25								
Combustible Material Fire	Smoke And Heat	Fire detection & suppression systems; procedures; training; equipment protective systems; all equipment is listed or reviewed by CEE; Tier 1 inspections			2	3	3	30		es in the workplace in compliance enhanced housekeeping policy in		5	2	2	20	33%
Chemical Fire	Smoke And Heat	Fire detection & suppression systems; pro protective systems; all equipment is listed inspections, Fire Hazards Analysis		5	2	3	3	30								
Dry Vegetation Fire	Smoke And Heat	Fire breaks; maintenance of fire breaks; pr wide warning alarm system; Fire Hazards Emergency procedures; BNL Fire Rescue	Analysis; Tier 1 inspections;	5			2	10								
Natural Phenomenon	Lightning And Subsequent Fire	Fire Hazards Analysis for lighting risk, lightning protection where required			1	2	2	10								
Radiation Energy Deposition (Targets) - Fire	Smoke And Heat	Fire detection & suppression systems; pro protective systems; ASSRC/ESRC/RSC re emergency procedures; BNL Fire Rescue; control system; cooling water systems; tar monitoring	eviews; Fire Hazards Analysis; ASE requirements; access	1	1	2	2	2								
Further Description of	Controls Added to Reduce			L	ı	1										-
*Risk:	0 to 20 21 to 40			41-60						to 80		81 or	greate	r		
	Negligible	Acceptable		Mod	derate				Su	ıbstantial		Intole	rable			